

# TECHNICAL DATA

## PEN (Polyethylene Naphthalate) TAPE

**Product Code: 1PN2R**

*P. Leo & Co (B. C.) Ltd.*

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**UL FILE #E126174**

**Description:** P.LEO #1PN2R PEN Electrical Insulating Tape is made by Teonex® Q51 Polyethylene naphthalate (PEN) film can perform an excellent thermal property at 180° C. It is superior in almost all field of applications. It exhibits higher temperature rating, better dimensional stability after heating, better hydrolytic resistance and excellent oxygen permeability. This product complies with the flame Retardant requirements of UL 510.

**Application:** For use in high performance electrical applications, used on high-temperature coils, such as in traction machine manufacturing, in the production of generators, capacitors, transformers etc. PEN Tape can be applied as major insulation in Class F 155 °C, Class H 180 °C and Class N 200 °C Electrical Insulation System.

### Technical Details:

<u>PROPERTIES</u>	<u>UNIT</u>	<u>SPECIFICATION</u>
COLOR	-	White
TOTAL THICKNESS	mm	0.055 ± 0.005
TENSILE STRENGTH	kg/25mm	12
ELONGATION	%	90
ADHESION TO STEEL	kg/25mm	0.6
DIELECTRIC BREAKDOWN	kV	6
TEMPERATURE RATED	°C	155

**Test Method:** In accordance with ASTM D-1000 method

**Shelf Life:** 6 months when storage at 73F and 65% relative humidity

**Availability:** Standard Length 50M per roll, 3" core, width from 2mm to 1,000 mm

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